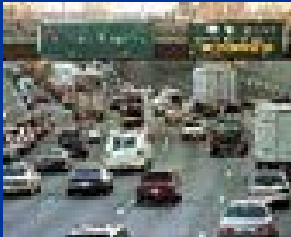


# PHASE I & II STORMWATER

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Bill Moore  
Department of Ecology

Financial Assistance Council  
April 7, 2004

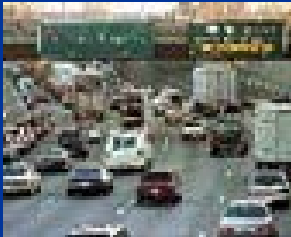


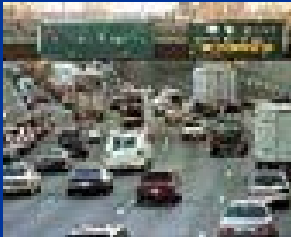
# Phase I Municipal Stormwater

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Seven phase I jurisdictions –

- King, Pierce, Snohomish, and Clark Counties,
- The Cities of Seattle and Tacoma, and
- WSDOT facilities within those jurisdictions





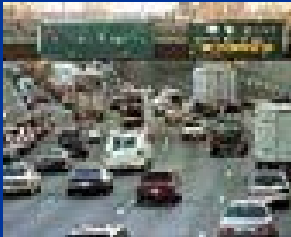
# Phase II Stormwater

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- Who is in and who is out?
- What do the Phase II rules require?



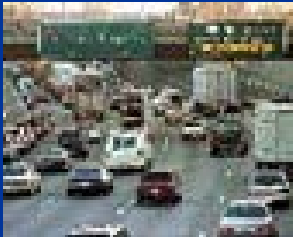
# Who's In and Who's Out



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What do the Federal rules say about who's in and who's out?

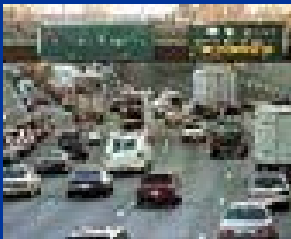
- Who must be regulated
- Who must be evaluated
- Who may be waived



# Who's In and Who's Out

## Who must be regulated?

- All Municipal Separate Storm Sewer Systems (**MS4s**) located within **census defined urbanized areas** and which discharge to surface waters



# What is an MS4?

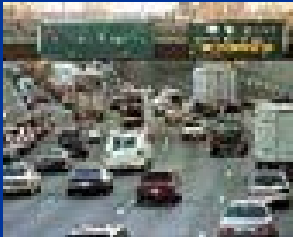
## Municipal Separate Storm Sewer System or MS4:

A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) which is:

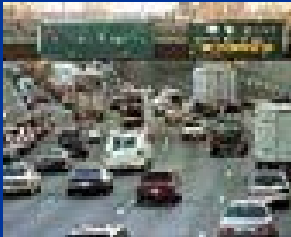
- Owned by a State, City, County, or other public entity; and
- Designed or used for collecting or conveying stormwater.

# Census Defined Urbanized Area

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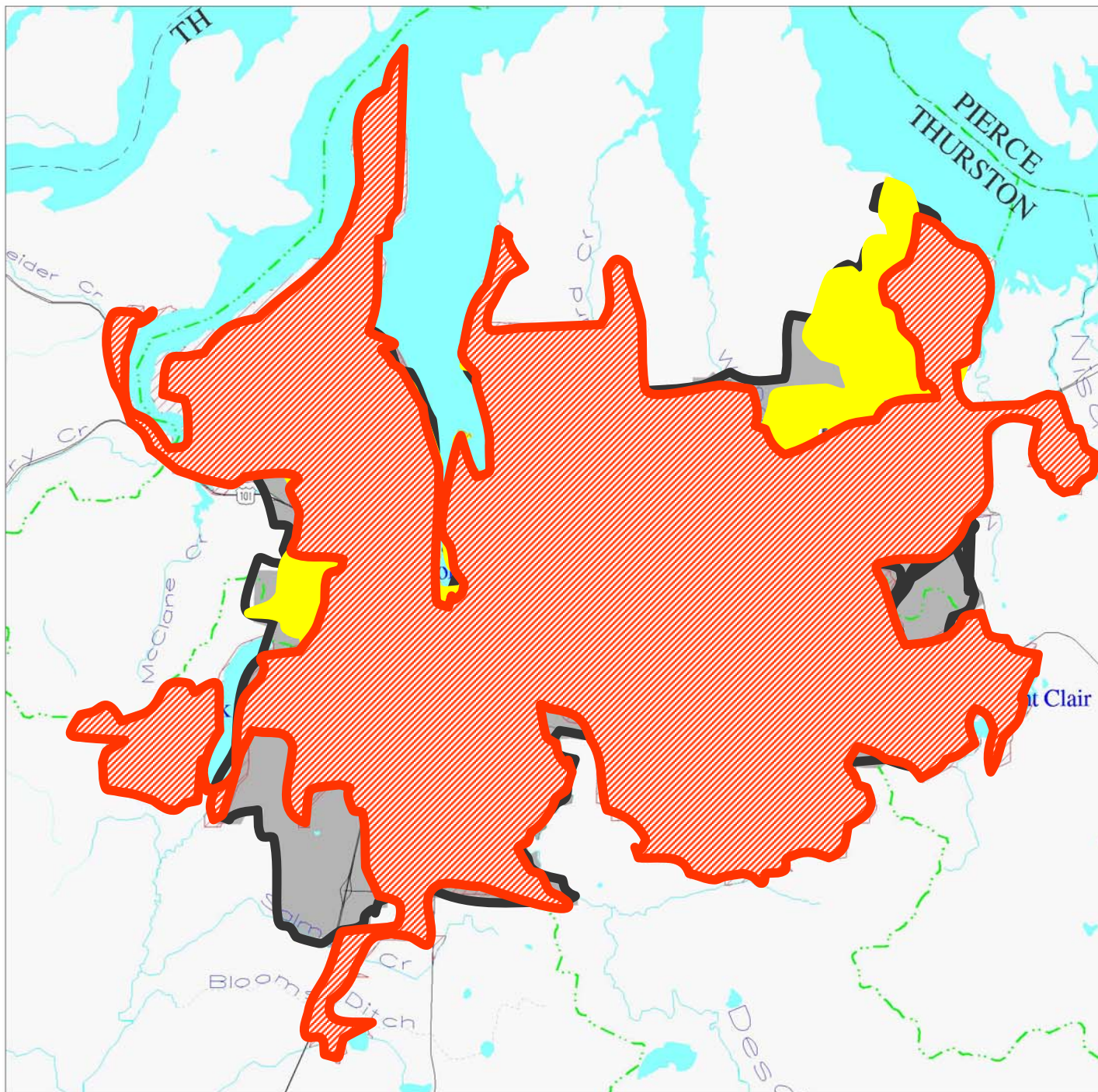
A central place (or places) and the adjacent densely settled surrounding territory that together have a minimum residential population of 50,000 people and a minimum average density of 1,000 people per square mile.



# Census Defined Urbanized Areas in Washington

- Bellingham
- Bremerton
- Clarkston
- Longview/Kelso
- Marysville
- Mount Vernon
- Olympia/Lacey
- Seattle
- Spokane
- Tri-Cities
- Vancouver
- Wenatchee
- Yakima





## Olympia/Lacey Urban Area

- Incorporated City
- 2000 Census Urban Area
- Urban Growth Area
- County
- WRIA Boundary
- Highways
- Rivers/Streams

### Representational Feature Source:

Urban Areas –USDOC/Census, 2000, 1:500,000  
 Urban Growth Areas –WOFM 2001, 1:100,000  
 Counties –Ecology/WDNR, 2002, 1:24,000  
 Cities –WDOT, 2003, 1:24,000  
 WRIA –Ecology, 2002, 1:24,000  
 Highways –WDOT, 2001, 1:24,000  
 Hydrography –Ecology/WDFW, 1998, 1:100,000

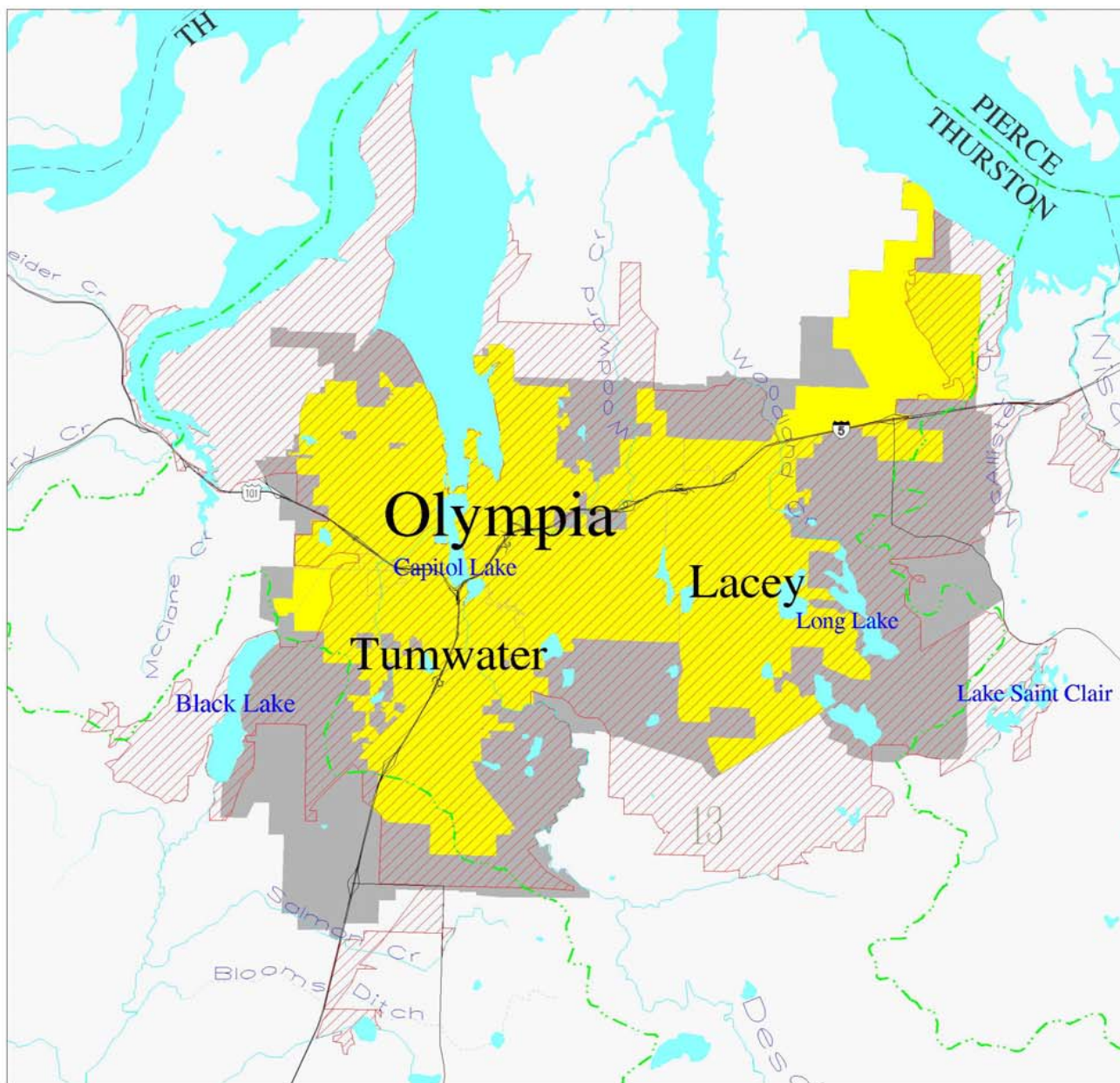


Water Quality Program



WASHINGTON STATE  
DEPARTMENT OF  
**E C O L O G Y**

GIS Technical Services  
 09/03/03  
 uag65242



## Olympia/Lacey Urban Area

- Incorporated City
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Water Quality Program



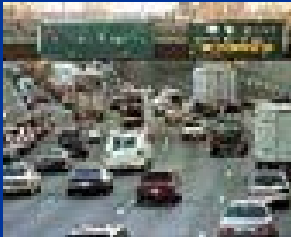
WASHINGTON STATE  
 DEPARTMENT OF  
**ECOLOGY**

GIS Technical Services  
 09/03/03  
 uag65242



# Census Defined Urbanized Areas in Washington

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Census Urbanized Area Maps Can Be Found on Ecology's WEB site at:



[http://www.ecy.wa.gov/programs/wq/stormwater/phase\\_2/maps.html](http://www.ecy.wa.gov/programs/wq/stormwater/phase_2/maps.html)





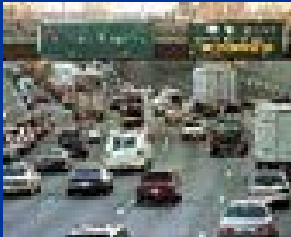


# Who's In and Who's Out

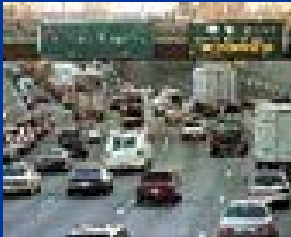


## Who must be evaluated?

All cities outside of census defined urbanized areas with populations greater than 10,000



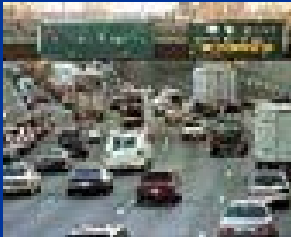
40 CFR Part 123.35(b)



# Who Must be Evaluated?

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- Aberdeen
- Anacortes
- Centralia
- Oak Harbor
- Port Angeles
- Ellensburg
- Moses Lake
- Pullman
- Sunnyside
- Walla Walla



# Who's In and Who's Out

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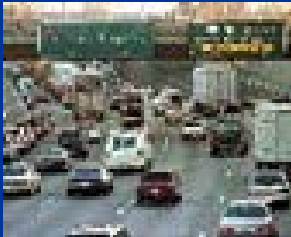
## Who may be waived?

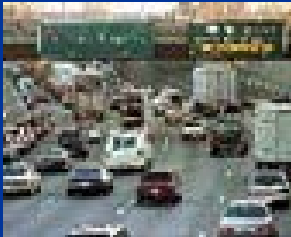
- Regulated small MS4s serving a population of less than 1,000 within the census defined urban areas
- Regulated small MS4s serving a population of between 1,000 and 10,000 within the census defined urban areas

# Phase II Cities and Counties

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- 92 Cities
- 13 Counties
- See handout for complete list





# Tentative Waivers

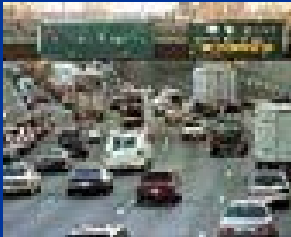
## Cities:

- Beaux Arts Village
- Ferndale
- Hunts Point
- Moxee
- Rock Island
- Ruston
- South Prairie
- Wilkeson
- Woodway

## Counties:

- Walla Walla





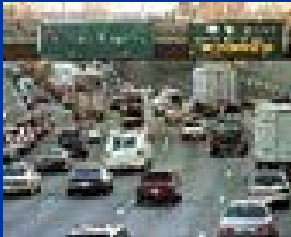
# Phase II Stormwater

- Who is in and who is out?
- What do the Phase II rules require?

# What Do the Phase II Rules Require?

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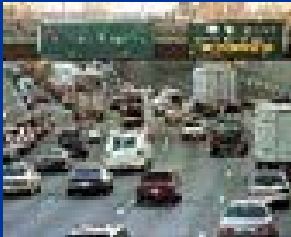
- Schedules, application and permitting deadlines
- What are the Phase II permit requirements?

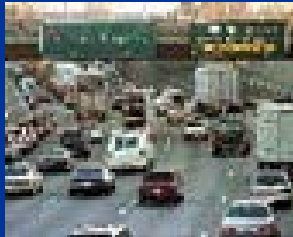


# What Do the Phase II Rules Require?

## Schedules, application and permitting deadlines

- December 8, 1999 - Phase II Rule published
- February 7, 2000 - Phase II Rule effective
- December 9, 2002 - Permits issued
- March 10, 2003 - Permit applications due
- 5 years from permit issuance - Phase II programs are to be fully implemented



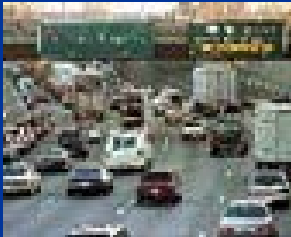


# Phase II Rules

## - Permit Requirements -

Required to develop, implement, and enforce a storm water management program to:

- Reduce the discharge of pollutants to the maximum extent practicable (MEP),
- Protect water quality, and
- Satisfy the appropriate water quality requirements of the Clean Water Act.

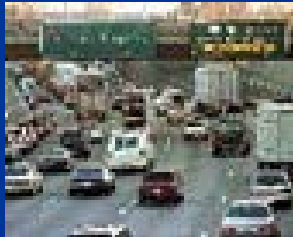


# Phase II Rules

- Permit Requirements -

EPA's definition of MEP:



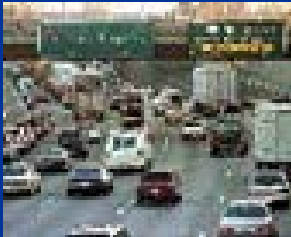


# Phase II Rules

## - Permit Requirements -

The Phase II permits must at a minimum require:

- #1-6 - The six “minimum control measures”
- #7 - Implement applicable TMDLs
- #8 - Evaluation, recordkeeping, and reporting

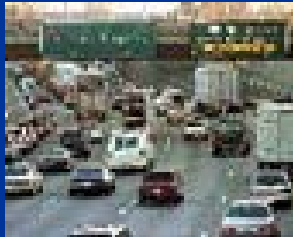


# Phase II Rules

## - Permit Requirements -

### 6 Minimum Control Measures

- Public education and outreach
- Public involvement/participation
- Illicit discharge detection and elimination
- Construction site runoff control



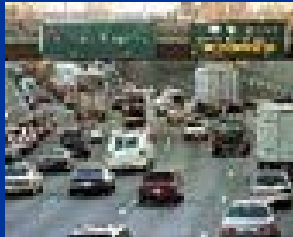
# Phase II Rules

## - Permit Requirements -

### 6 Minimum Control Measures

- Post construction stormwater management in new development and redevelopment; and
- Pollution prevention/good housekeeping for municipal operations



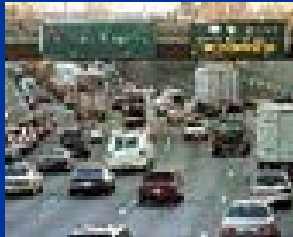


# Phase II Rules

## - Permit Requirements -

### For each Minimum Control Measure:

- Identify BMPs
- Describe measurable goals
- Describe the timing and frequency of actions
- Identify a person responsible for implementation of the BMP



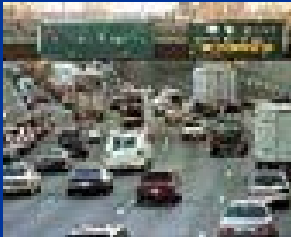
# Phase II Rules

## - Permit Requirements -

### # 7 Implement Applicable TMDLs

Must comply with any more stringent requirements beyond the six minimum control measures as identified in a TMDL or TMDL-like analysis.

40 CFR part 122.34(e)

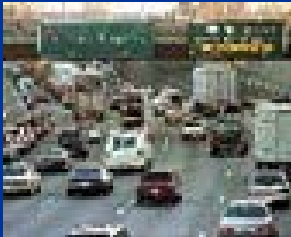


# Phase II Rules

## - Permit Requirements -

### # 8 - Evaluation, recordkeeping, and reporting

- Evaluate the effectiveness of the management practices at achieving identified measurable goals

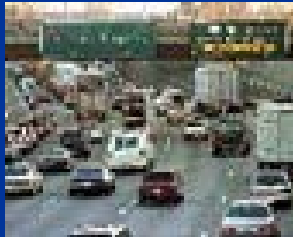


# Phase II Rules

## - Permit Requirements -

### # 8 - Evaluation, recordkeeping, and reporting

- Evaluate
- Keep records on program implementation for a minimum of 3 years and make them available to the public



# Phase II Rules

## - Permit Requirements -

### # 8 - Evaluation, recordkeeping, and reporting

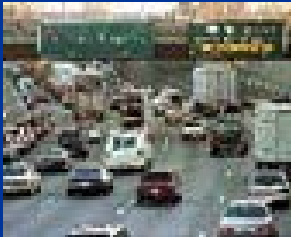
- Evaluate
- Keep records
- Submit annual reports to the NPDES permitting authority (Ecology)

# PHASE I & II STORMWATER

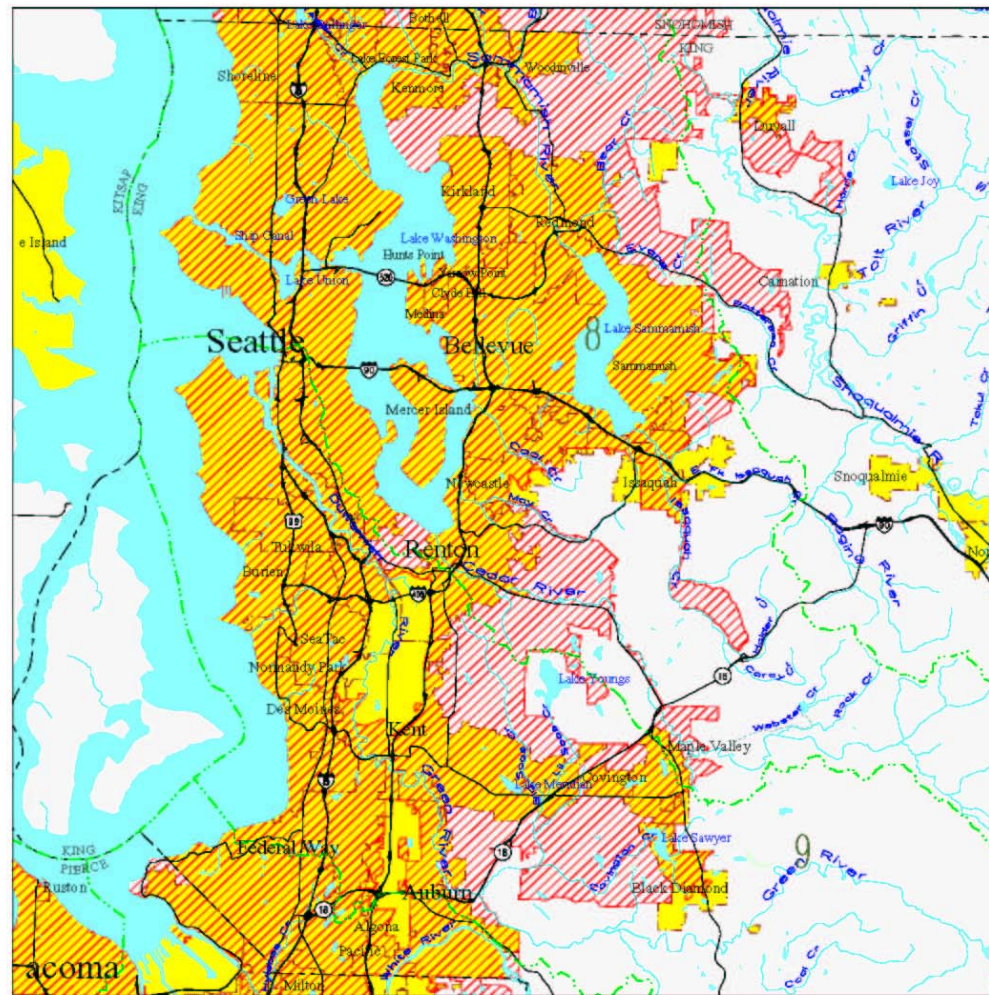
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Bill Moore  
Department of Ecology

Financial Assistance Council  
April 7, 2004







Washington State  
DEPARTMENT OF  
ECOLOGY  
GIS Technical Services  
08/30/02  
ua80389s

### Seattle Urban Area Seattle Vicinity

- Incorporated City (2002)
- 2000 Census Urban Area
- County
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- Highways
- Rivers/Streams

Representational Feature Sources:

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